


 YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2023 09 26 \_STATION- 081 \_W-LAB-142-1  
 OPERATOR(S) Julie Poulain

Depth Replicate	S320 Cryo-5mL LN2 #1	S023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	S<02 Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m			[ ] 20L [ ] 50L 5 L	[ ] 15' [ ] 60' 15 min.		[ ] 10L [ ] 20L 5 L
Z00 R02 m			[ ] 20L [ ] 50L 4 L	[ ] 15' [ ] 60' 15 min.		[ ] 10L [ ] 20L 4 L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02	[ ] 10L [ ] 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02-2	[ ] 10L [ ] 20L L
Depth Replicate	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			[ ] 20L [ ] 50L 7 L	[ ] 15' [ ] 60' 60 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.		
Depth Replicate	S320-L 15mL falcon -20°C + 10 mL Nucleoprotect	S023-L 15mL falcon -20°C + 10 mL Nucleoprotect	Filtration Volume (Litres)	Filtration Duration (minutes)		
Z00 m			[ ] 20L [ ] 50L 10 L	[ ] 15' [ ] 60' 60 min.	→	
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.		





Depth Replicate	COMMENTS S###
Z00 R01 m	water very turbid . small volume filtered because saturation
Z00 R02 m	
Z02 R01 m	
Z02 R02 m	
Depth	COMMENTS P###
Z00 m	
Z02 m	
Depth	COMMENTS S###L
Z00 m	2 filters in each tube S320-L S023-L
Z02 m	





LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_DECK-BGC

OPERATOR(S)         

2023 09 26 0 8 1 MH

Depth	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C			DICTA Bottle-500mL RT >10°C	SAL Bottle-125mL RT >10°C
Z00 m							###-Z00 SAL
Z02 m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3			###-Z02 DICTA	###-Z02 SAL
		+ 150 µl HCl				+ 300 µl HgCl <sub>2</sub>	
Depth	CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C				
Z00 R01 m							
Z00 R02 m							
Z00 R03 m							
Z02 R01 m	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1				
Z02 R02 m	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2				
Z02 R03 m	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3				
		+ 150 µl HCl					





Depth		COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00	m	<del>One STERIVEX</del>		
Z02	m			
Depth Replicate		COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00	R01	7 used a 1 <sup>st</sup> STERIVEX	2 <sup>nd</sup>	3 <sup>rd</sup>
	m			
Z00	R02			
	m			
Z00	R03			
	m			
Z02	R01			
	m			
Z02	R02			
	m			
Z02	R03			
	m			





LOG\_SAMPLES\_ 2023 09 26 \_STATION- 0 8 1 \_TARDIS-SCP

OPERATOR(S) MH

YYYY MM DD # # #

Depth	PPL Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	HLB Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 R01 m		[ ] 1L [x] 2L L	[ ] 60' [ ] 120' 3H min.		[ ] 1L [ ] 2L 800ml L	[ ] 60' [ ] 120' 3H min.
Z00 R02 m		[ ] 1L [x] 2L L	[ ] 60' [ ] 120' 3H min.		[ ] 1L [ ] 2L 800ml L	[ ] 60' [ ] 120' 3H min.
Z00 R03 m		[ ] 1L [x] 2L L	[ ] 60' [ ] 120' 3H min.		[ ] 1L [ ] 2L 800ml L	[ ] 60' [ ] 120' 3H min.
Z00 R04 m		[ ] 1L [x] 2L L	[ ] 60' [ ] 120' 3H min.		[ ] 1L [ ] 2L 800ml L	[ ] 60' [ ] 120' 3H min.
Z02 R01 m	###-Z02 PPL-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 R02 m	###-Z02 PPL-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 R03 m	###-Z02 PPL-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02 R04 m	###-Z02 PPL-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Depth Replicate	MB320 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	MB033 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 m		[ ] 16L ~ 6 L	[ ] 30 - 15 8 min.		[ ] 16L ~ 6 L	[ ] 30 8 min.
Z02 m		[ ] 16L 5 L	[ ] 30 8 min.		[ ] 16L 5 L	[ ] 30 8 min.





Depth		COMMENTS
Z00	R01 m	→ Water was taken from an Estuary with an important concentration of DOC. The filters get clogged very fast with a 2 <sup>nd</sup> issue:
Z00	R02 m	- as the MB320 filter started to be clogged, the MB033 filter didn't receive enough water: so MB320 filter is very colorful but the MB033 didn't receive a lot of water and is almost colorless.
Z00	R03 m	I decided to divide my filtration by making 2 replicates.
Z00	R04 m	For the first replicate (water then used for PPL cartridges) I was able to filter 6 liters.
Z02	R01 m	However, it got clogged with just 5 liters during the 2 <sup>nd</sup> filtration (water for the HLB cartridges).
Z02	R02 m	↳ I however had less water for the extraction of the HLB cartridge and the cleaning.
Z02	R03 m	⚠ Bad ratio between DOC and living organisms
Z02	R04 m	⚠ Lack of material on MB033
Z02	R04 m	⚠ Possible contamination due to less water used for the wash of the HLB bottles
Z02	R04 m	⚠ Less water than usual for the HLB cartridges and each filter





LOG\_SAMPLES\_ 2023 09 26 \_STATION- 0 8 1 \_S-LAB-OTHER  
 OPERATOR(S) Σ

Depth Replicates		HC Cryo-5mL LN2 #1	HC-G Cryo-5mL LN2 #1	CP-G Cryo-5mL LN2 #1	SG Cryo-5mL LN2 #1	FC-P Cryo-2mL LN2 #3	FC-G Cryo-2mL LN2 #3
Z00	R01 m						
Z00	R02 m						
Z00	R03 m				Glycine-betaine prealiquot at +4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m			Glycerol prealiquot - RT			
Z00	R05 m				DGAS* 12 mL extainer +4°C	DGAS* 12 mL extainer +4°C	DGAS* 12 mL extainer +4°C
Z00	R06 m						
Z00	R07 m						
Z00	R08 m						
Prealiquot		No prealiquot	Glycerol prealiquot - RT		* + 100 µL ZnCl <sub>2</sub>	* + 100 µL ZnCl <sub>2</sub>	* + 100 µL ZnCl <sub>2</sub>
Depth Replicate		eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00	m		[ ] 30L L	[ ] 30 59 min.	=> Collect filtrate for SS protocol onland : V<0.45		
Z02	m	###-Z02 eDNA	[ ] 30L L	[ ] 30 min.			





Depth Replicate	COMMENTS
Z00 R01 m	
Z00 R02 m	
Z00 R03 m	
Z00 R04 m	
Z00 R05 m	
Z00 R06 m	
Z00 R07 m	
Z00 R08 m	





LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-DECKNET-5

OPERATOR(S) Sc

Depth	DECKNET Volume (Litres)	Time start FILLING ###:##	Time end NET OUT ###:##	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00 m	[ ] 100 L 40 L	08:22	09:24		
Z02 m	[ ] 100 L L	:	:	### Z02 SG5-1	### Z02 SG5-2
				* Glycine-betaine pre-aliquot at 4°C	
Depth	FM5-1* Falcon-50mL FRG +4°C	FM5-2* Falcon-50mL FRG +4°C			
Z00 m					
Z02 m	### Z02 FM5-1	### Z02 FM5-2			
*pre-aliquoted 5 mL PFA/GLUT stored at -20°C					





Depth		COMMENTS SG5
Z00	R01	
	m	
Z00	R02	
	m	
Depth		COMMENTS FM5
Z00	R01	
	m	
Z00	R02	
	m	





LOG\_SAMPLES\_ YYYY MM DD # # #  
 2023 | 09 | 26 | \_STATION- 081 | \_S-LAB-25-1  
 OPERATOR(S) | S.Z. |

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00 m	1. 133 2. 132 3. 133		mL	N°: XX332 Weight: 36,474		
Z02 m	1. 2. 3.	<b>TRIPPLICATES ONCE A MONTH FOR HP</b>	HP Cryo-2mL LN2 #2	Filtration Volume (mL) Filtration Duration (minutes)		
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01 m	 45 mL [ ] 30' [ ] 40' max min 4		
Z00 m		30 mL	Z00 R02 m	###-Z00 HP-2 mL [ ] 30' [ ] 40' max min		
Z02 m	###-Z02 PA	mL	Z00 R03 m	###-Z00 HP-3 mL [ ] 30' [ ] 40' max min		
Depth	PM Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)	FOI Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)
Z00 R01 m		30 mL	N°: XX365 Weight: 36,412		30 mL	N°: XX351 Weight: 36,309
Z00 R02 m		30 mL	N°: XX087 Weight: 36,849		30 mL	N°: XX302 Weight: 37,422
Z00 R03 m		30 mL	N°: XX363 Weight: 36,946		30 mL	N°: XX022 Weight: 37,350
Z02 R01 m	###-Z02 PM-1	mL	N°: Weight:	###-Z02 FOI-1	mL	N°: Weight:
Z02 R02 m	###-Z02 PM-2	mL	N°: Weight:	###-Z02 FOI-2	mL	N°: Weight:
Z02 R03 m	###-Z02 PM-3	mL	N°: Weight:	###-Z02 FOI-3	mL	N°: Weight:





Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01  m		
Z00	R02  m		
Z00	R03  m		
Z02	R01  m		
Z02	R02  m		
Z02	R03  m		

Depth Replicate		COMMENTS PA - HP
Z00	m	
Z02	m	





YYYY MM DD

LOG-SAMPLES\_ 2023 09 26

# # #

\_STATION- 081 \_S-LAB-NET-20

OPERATOR(S) S. Z.

		Net 20 µm		<input type="checkbox"/> Decknet <input type="checkbox"/> Deployed at sea		
SAMPLE SPLITTING	# of cod-ends [ ] 1 [ ] 2	Total volume [ ] 1600 mL	Aliquots vol. [ ] 200 mL			
PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
<input checked="" type="radio"/> S20 Cryo-5mL LN2 #1		[ ] 1/8	[ ] 200 mL 25 mL <input checked="" type="checkbox"/> 15 mn		[ ] 1/8	[ ] 200 mL 20 mL <input checked="" type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE		[ ] 1/8	[ ] 200 mL			
E20 Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 1/8	<input checked="" type="checkbox"/> 200 mL			
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		[ ] 1/8	[ ] 200 mL 25 mL <input checked="" type="checkbox"/> 15 mn			
MB20 Vial-4mL FRZ -20°C		[ ] 1/8 x 1/16	[ ] 200 mL 100 mL			
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input checked="" type="checkbox"/> 45 mL			<input checked="" type="checkbox"/> 45 mL	





	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
S20 Cryo-5mL LN2 #1		
FCAM20 Bottle-250mL LIVE		
E20 Falcon-15mL FRZ -20°C		
S20-L Falcon-5mL FRZ -20°C		
MB20 Vial-4mL FRZ -20°C		
FM20 Falcon-50mL FRG +4°C		





LOG-SAMPLES\_ YYYY MM DD # # # \_STATION- \_S-LAB-NET-200  
 2023 09 26 081  
 OPERATOR(S) S. Z.

Horizontal WP11-200						
SAMPLE SPLITTING	COD-END #1					
PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)			
F200 Bottle-250mL + borax/formol RT >10°C		<input type="checkbox"/> 1 (100%)	<input type="checkbox"/> 250 mL			
SAMPLE SPLITTING	COD-END #2	Total volume	Aliquots vol.			
		<input type="checkbox"/> 1600 mL	<input type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
S200 Cryo-5mL LN2 #1		<input type="checkbox"/> 1/8	<input type="checkbox"/> 200 mL 10mL <input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 1/8	<input type="checkbox"/> 200 mL 10mL <input checked="" type="checkbox"/> 15 mn
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		<input type="checkbox"/> 1/8	<input type="checkbox"/> 200 mL <input checked="" type="checkbox"/> 15 mn 10mL			





	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		
S200-L Falcon-5mL FRZ -20°C		





LOG-SAMPLES\_    \_STATION-  \_S-LAB-NET-680

OPERATOR(S)

Régent 680

SAMPLE SPLITTING	NET TOW #1			NET TOW #2		
	Total volume [ ] 1600 mL			Total volume [ ] 1600 mL		
PROTOCOLS	Barcode	Fraction of total volume	Bottle volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
F680 Bottle-250mL RT >10°C + Borax/Formol		[ ] 50 % [ ] 100 %	[ ] 250 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	[ ] 250 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect					[ ] 50 % [ ] 100 %	[ ] 20 mL 15 mn





	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F680 Bottle-250mL RT >10°C		
F2000 Bottle-250mL RT >10°C		
S680-L Falcon-5mL FRZ -20°C		